



European Research Council (ERC) Calls

Aslı VURAL

Derya DÖNERTAŞ, PhD

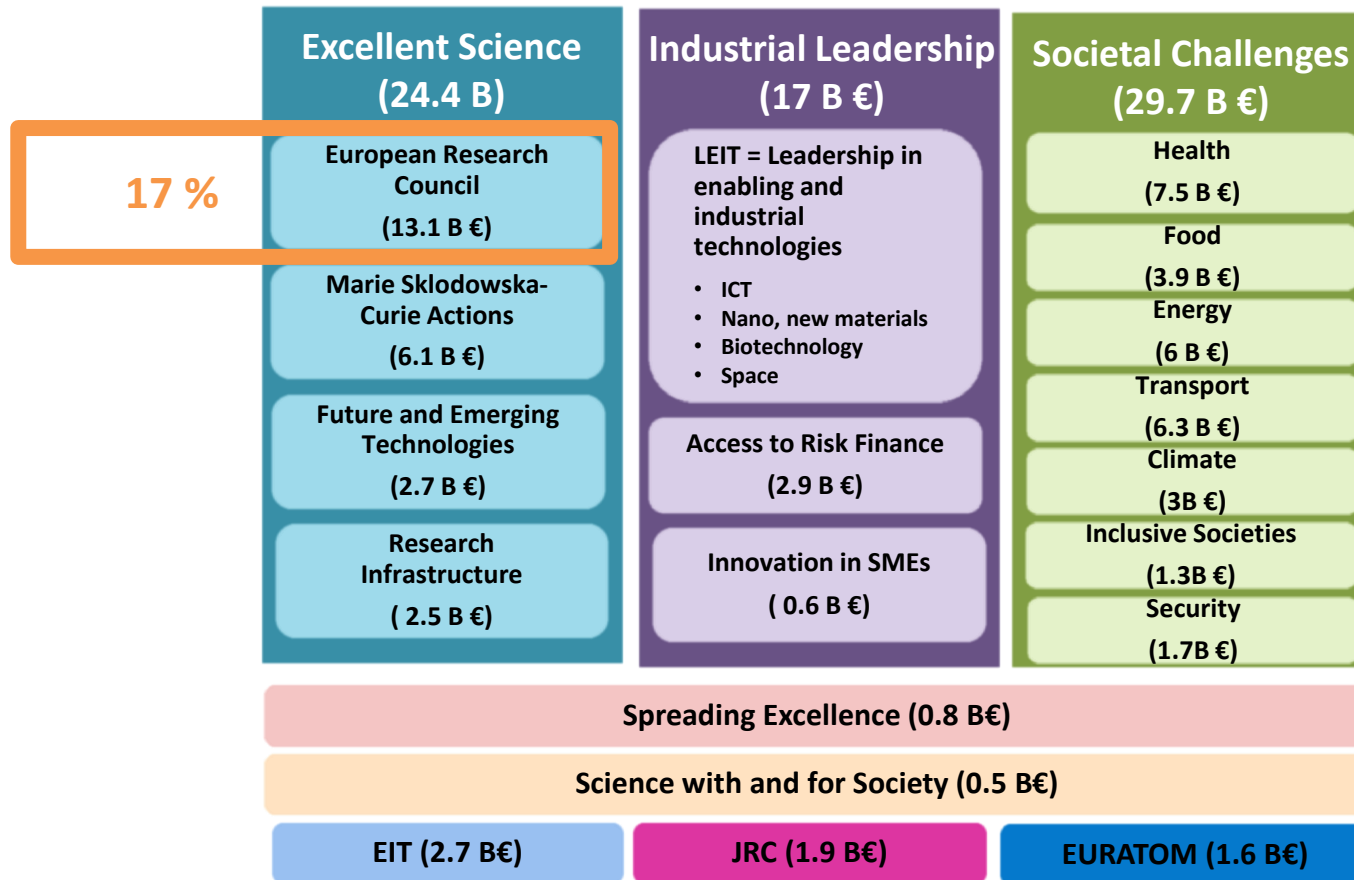
ERC National Contact Point

10 February 2020

The Scientific and Technological Research Council of Turkey

TÜBİTAK

Horizon 2020 - Pillars

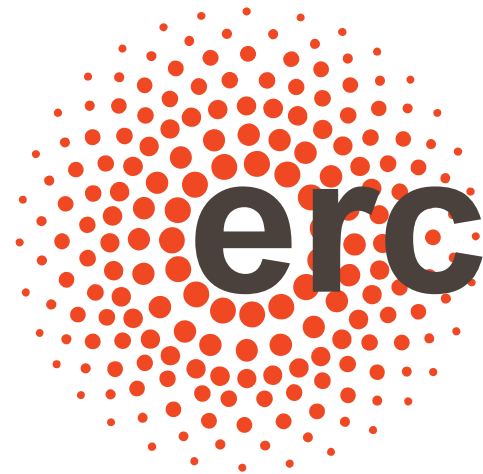


Objectives and Principles of ERC



An autonomous pan-European funding body set up by the EU in 2007 **led by scientists** to encourage the highest **quality research** in Europe through competitive funding of **frontier projects**

ERC encourages proposals of a **multi- or interdisciplinary** nature which cross the boundaries between different fields of research, pioneering proposals addressing **new and emerging fields** of research or proposals introducing **unconventional, innovative approaches** and **scientific inventions**.



any nationality

any field of research

high risk / high gain

portable

best settings to foster **creativity**

Scientific Excellence

a single Principal Investigator

(except SyG)

a single host institution

(except SyG)

Up to **100% of the total**
eligible direct costs of
research

ERC offers you

- the possibility to work on a research topic of own choice, with a team of own choice
- true financial autonomy for 5 years.
- the means to negotiate with the host institution for the best conditions.
- The ability to attract best team members, best collaborations as a quality label.

After 13 Years, a Success Story



- **17% of the overall Horizon 2020 budget**, i.e € 13.1 billion
- The total annual ERC budget for 2020 is just over **€2.2 billion**
- Since 2007, more than **9,500 projects** have been selected for funding
- ERC grantees have won prestigious prizes, including **7 Nobel Prizes, 4 Fields Medals, 5 Wolf Prize** and more
- Over **150,000 articles** published in scientific journals, including over 5,500 articles in the 1% most cited scientific journals. In 2014, Europe surpassed the US for the first time in this respect, and ERC grantees contributed to this
- Each ERC grantee employs on average **six team members**, thus contributing to train a **new generation of excellent researchers**. Currently over 70,000 postdocs, PhD students and other staff working in their research teams.
- More than **70-80%** of projects assessed by an independent study made **scientific breakthroughs or major advances**, whilst about 25% of them made contributions that are incremental

ERC Funding Schemes



Starting

2-7 years after PhD

Max € 2.5 M
(€ 1.5 M + € 1M)
Max 5 Years

Consolidator

7-12 years after PhD

Max € 3 M
(€ 2 M + € 1M)
Max 5 Years

Advanced

significant research
achievements in the
last 10 years

Max € 3.5 M
(€ 2.5 M + € 1M)
Max 5 Years

Synergy

2 - 4 researchers

Max € 14 M
(€ 10 M + € 4M)
Max 6 Years

Proof of Concept

bridging gap between research - earliest stage of marketable innovation
up to €150,000 for up to 18 months for ERC grant holders

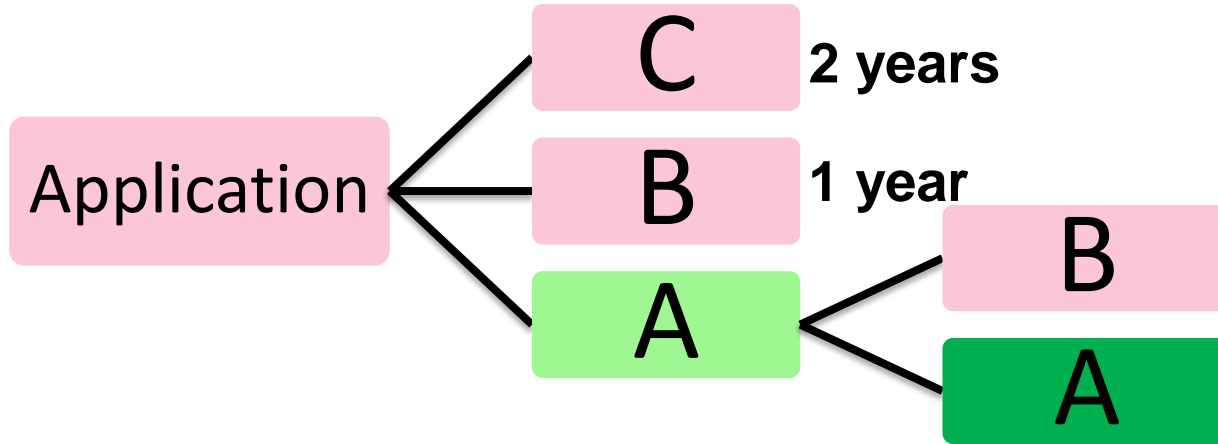
Calculation of Eligibility Window



	Starting Grant	Consolidator Grant	Advanced or Synergy Grant
Specific Eligibility Criteria	<p>Principal Investigator has been awarded his/her first PhD</p> <p>>2 and ≤ 7 years</p> <p>prior to 1 Jan 2020</p> <p>For 2020 calls:</p> <p>From 1st Jan 2013 to 31st Dec 2017</p>	<p>Principal Investigator has been awarded his/her first PhD</p> <p>>7 and ≤ 12 years</p> <p>prior to 1 Jan 2020</p> <p>For 2020 calls:</p> <p>From 1st Jan 2008 to 31st Dec 2012</p>	-

For career breaks and unconventional careers

- **Maternity** (extention by 18 months for each child born before or after PhD)
- **Paternity**
- **Long-term illness** (over 90 days for the PI or a close family member (child, spouse etc)
- **Clinical training or national service**



Time related considerations for your application:

- 1. PhD year**
- 2. The nature of the project**
- 3. Your CV and Track Record**
- 4. Is your project high risk/high gain? Frontier research?**

Forthcoming ERC calls



ERC Call	Publication	Deadline	Possible GA signature
ERC-2020-StG	17/07/2019	16/10/2019	05/12/2020
ERC-2020-SyG	18/07/2019	5/11/2019	19/04/2021
ERC-2020-CoG	24/10/2019	4/02/2020	03/04/2021
ERC-2020-AdG	14/05/2020	26/08/2020	21/08/2021

ERC Call	How many projects are expected to be funded
StG	455
CoG	343
AdG	209
SyG	39

Update on 2021 Calls

- 2021 calendar will change due to transition to Horizon Europe
- First 2021 calls will be launched only in January 2021
- SyG is not expected to be launched in 2021 but will be launched in 2022

76% of the projects allocated to young researchers (StG & CoG)



25

evaluation panels per call



> 2,700

panel members in 2014-2017 calls



> 20,000

external reviewers in 2014-2017 calls

- **Panel members:** typically 375 / call (SyG:~90)
 - High-level scientists
 - Recruited by ScC from all over the world: ~14% from outside Europe
 - About 12-16 members plus a chair person
- **Remote Referees:** typically 2000 / call
 - Evaluate only a small number of proposals
 - Similar to normal practise in peer-reviewed journals

Physical Sciences & Engineering

- PE1** Mathematics
- PE2** Fundamental Constituents of Matter
- PE3** Condensed Matter Physics
- PE4** Physical and Analytical Chemical Sciences
- PE5** Synthetic Chemistry and Materials
- PE6** Computer Science and Informatics
- PE7** Systems and Communication Engineering
- PE8** Products and Processes Engineering
- PE9** Universe Sciences
- PE10** Earth System Science

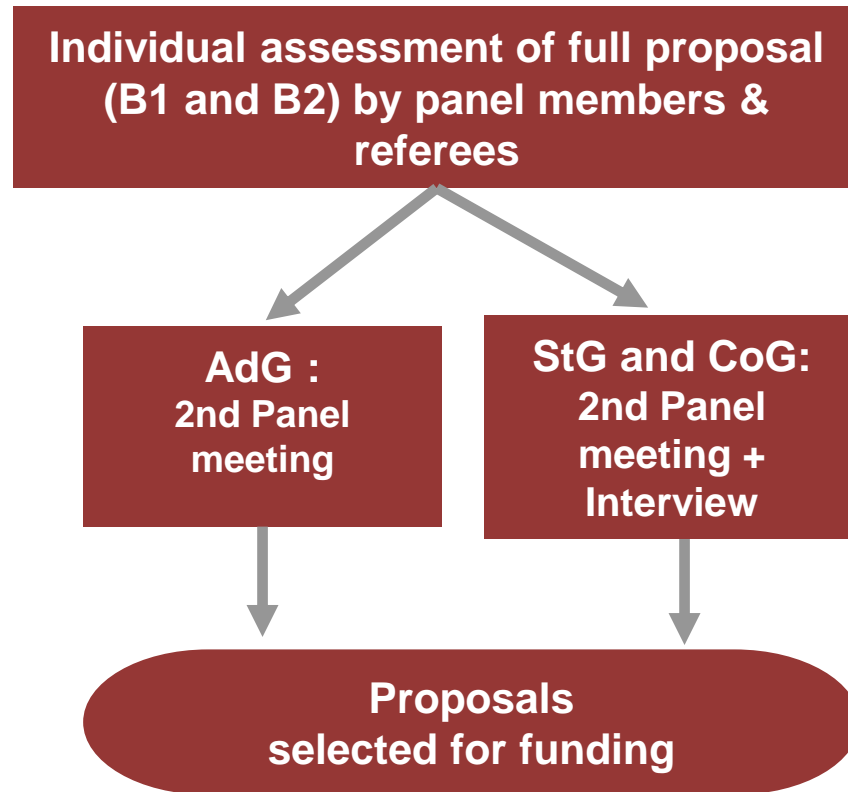
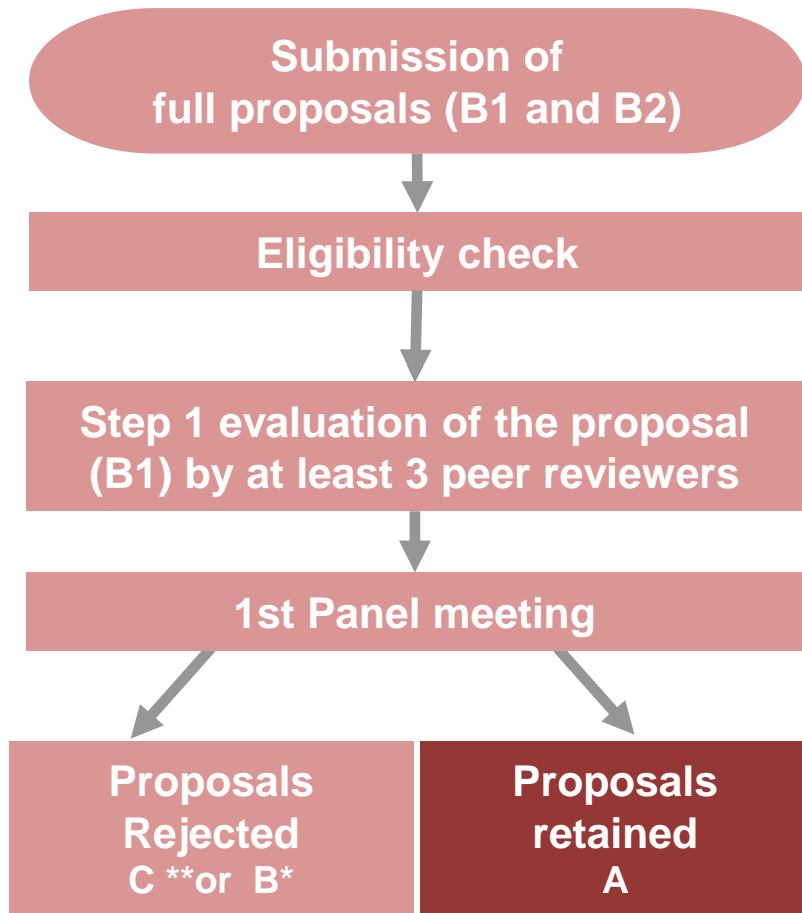
Life Sciences

- LS1** Molecular Biology, Biochemistry, Structural Biology and Molecular Biophysics
- LS2** Genetics, 'Omics', Bioinformatics and Systems Biology
- LS3** Cellular and Developmental Biology
- LS4** Physiology, Pathophysiology and Endocrinology
- LS5** Neurosciences and Neural Disorders
- LS6** Immunity and Infection
- LS7** Applied Medical Technologies, Diagnostics, Therapies and Public Health
- LS8** Ecology, Evolution and Environmental Biology
- LS9** Applied Life Sciences, Biotechnology and Molecular and Biosystems Engineering

Social Sciences & Humanities

- SH1** Individuals, Markets and Organisations
- SH2** Institutions, Values, Environment and Space
- SH3** The Social World, Diversity, Population
- SH4** The Human Mind and Its Complexity
- SH5** Cultures and Cultural Production
- SH6** The Study of the Human Past

ERC Evaluation Process



Evaluation of quality at two levels:

- **Quality of the Research Project**
 - Ground-breaking nature
 - Potential impact
 - Scientific Approach
- **Quality of the Principal Investigator**
 - Intellectual capacity
 - Creativity
 - Commitment

Administrative forms (Part A)

- 1 – General information
- 2 – Administrative data of participating organisations
- 3 – Budget- resources section
- 4 – Ethics
- 5 – Call specific questions

Part B1 (submitted as pdf)

Evaluated in Step 1 & Step 2

Text box - Cross-panel explanation

- a – Extended synopsis 5 pages
- b – Curriculum vitae 2 pages
- c – Track-record 2 pages
- Appendix – Funding ID no page limit

Annexes

HI Statement of Support
PhD Certificate (for StG and CoG)
Documentation for requests for eligibility extensions
Documentation for ethical issues

Part B2 (submitted as pdf)

Only evaluated in Step 2

- Scientific proposal 15 pages
- a – State-of-the-art and objectives
- b – Methodology
- c – Resources (part A)

Abstract / B1 / B2



Source: ERCEA

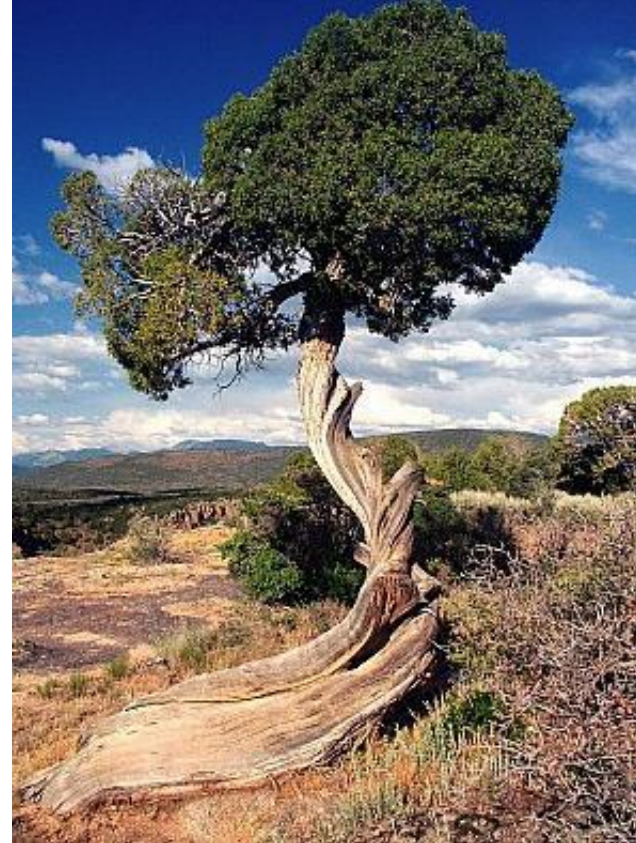
Proposal – B2

Synopsis – B1

Abstract



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Typical reasons for rejection

Source: ERCEA

Research Project

- Scope: Too narrow \leftrightarrow too broad/unfocussed
- Incremental research
- Collaborative project, several PIs
- Work plan not detailed enough/unclear
- Insufficient risk management

Principle Investigator (PI)

- Insufficient track-record
- Insufficient (potential for) independence

Before Redressing: see what you could you have done/explained/ presented better before blaming the process!

- Differing scientific opinion is not a motivation for redress
- An obvious mistake however might result in a re-evaluation

Turkey's Performance in ERC



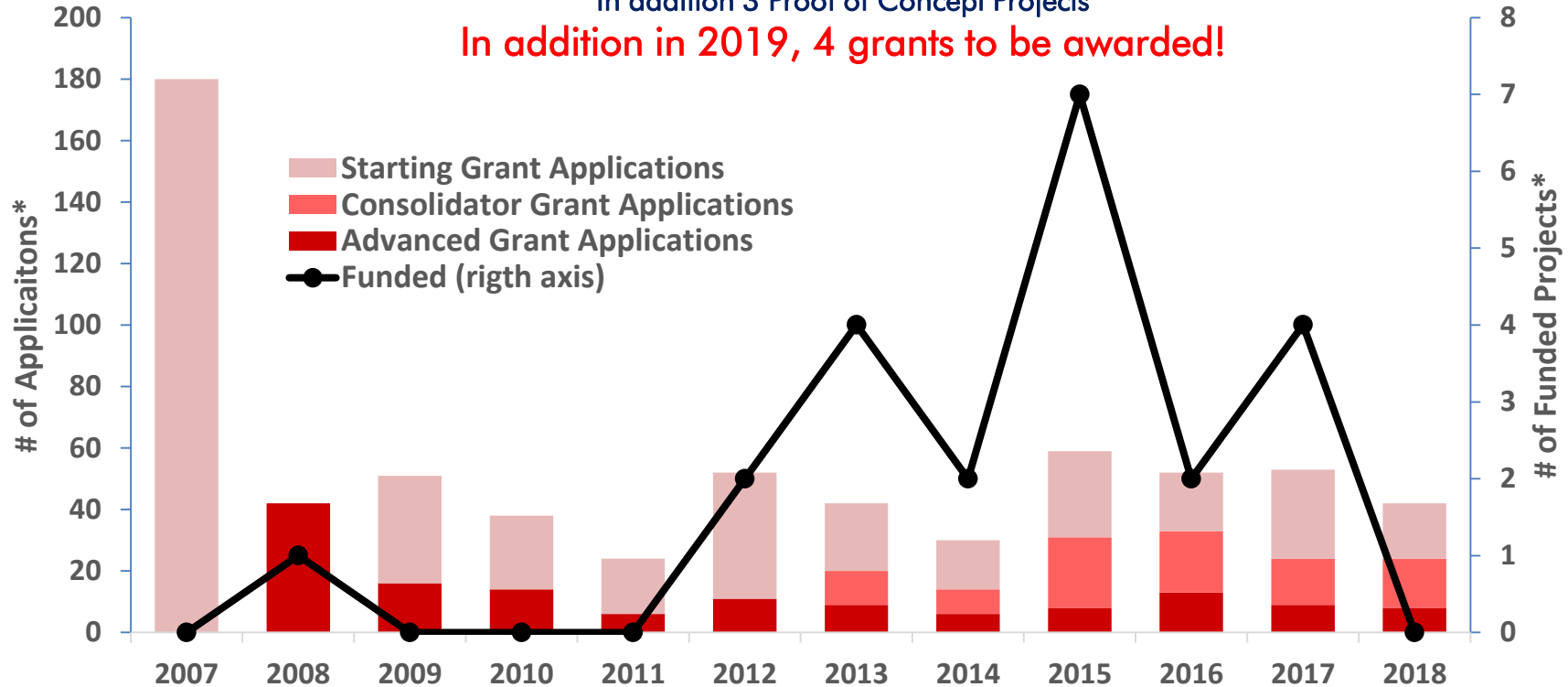
In 2007-2018:

665 Applicants* and 22 ERC Grants*

16 Grants are currently in Turkey with 27.5 Million Euros budget

In addition 3 Proof of Concept Projects

In addition in 2019, 4 grants to be awarded!



*At the time of the application

Host Institutions in Turkey

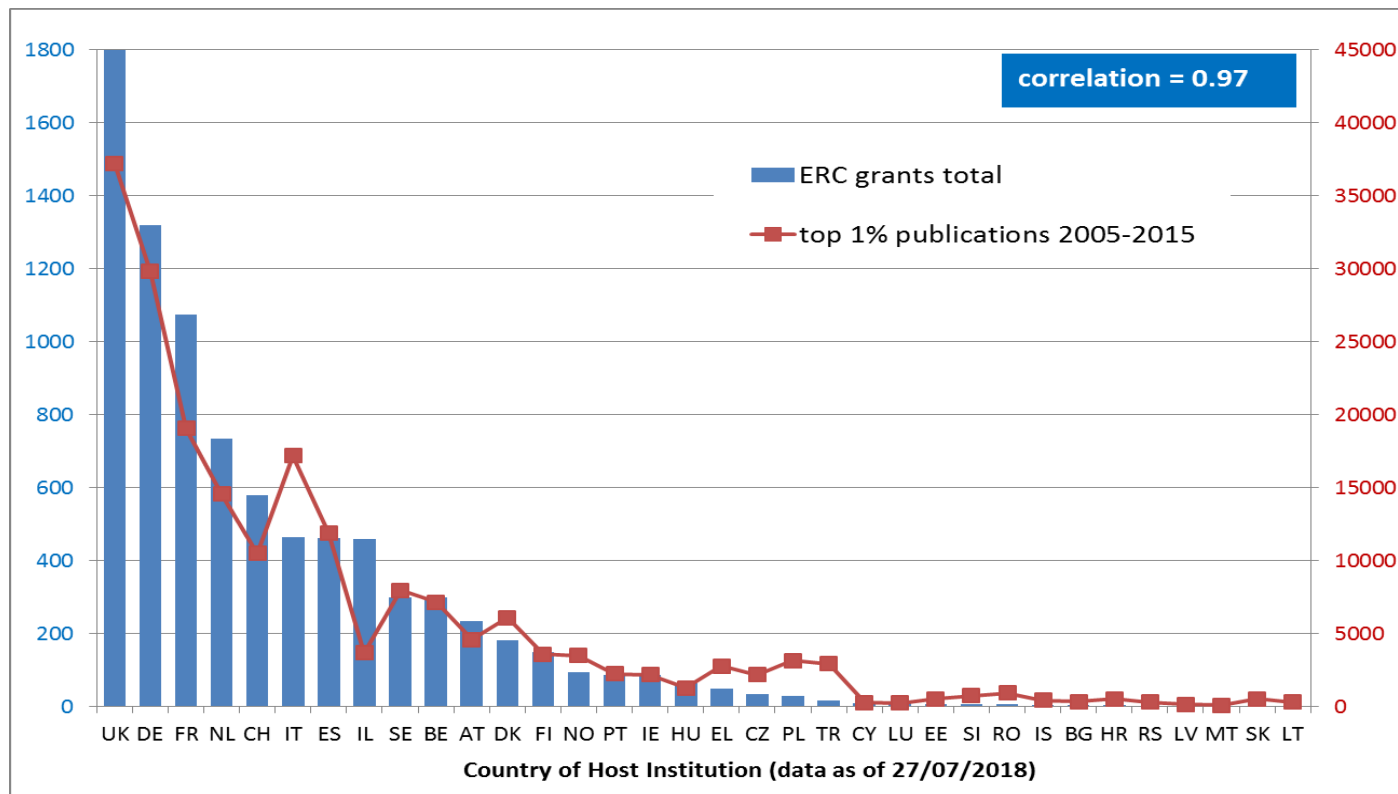


Host institutions in Turkey*				
Host institution	Starting Grants	Consolidator Grants	Advanced Grants	Total
Koc University	6	1	1	8
Bilkent University	3	2	-	5
Middle East Technical University	-	2	-	2
Istanbul Bilgi University	-	-	1	1

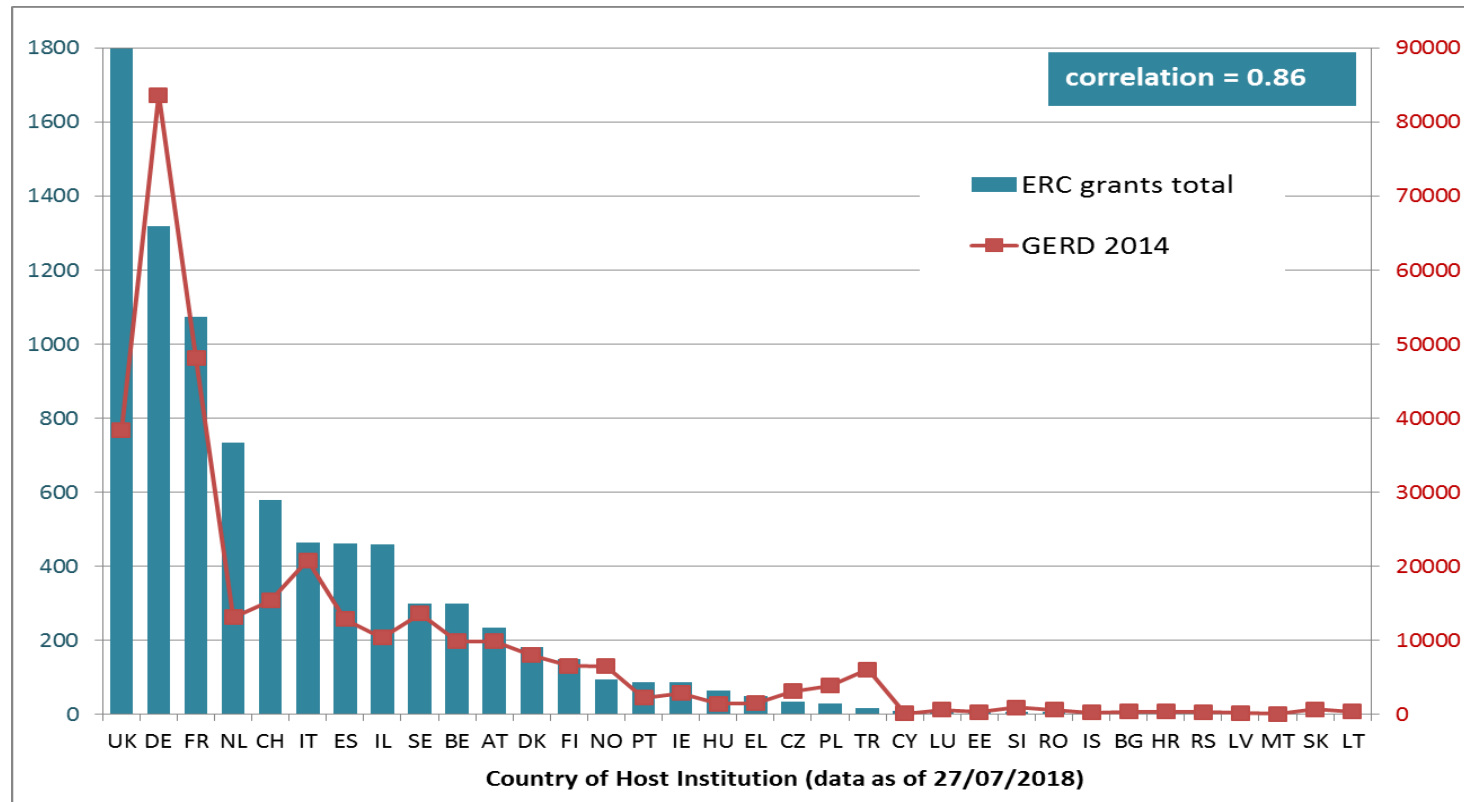
Number of ERC grantees in Turkish Host institutions with ERC Proof of Concept funding: 3

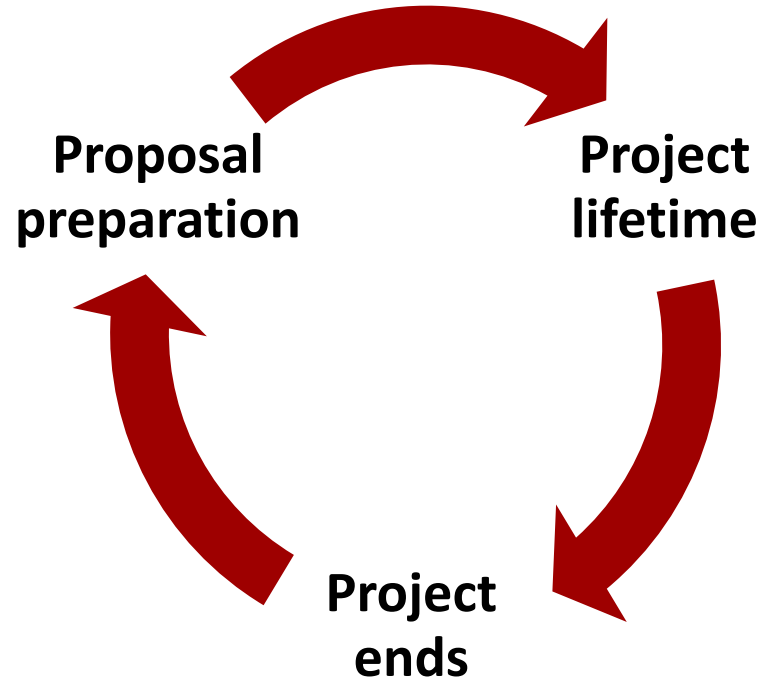
*current Host Institutions

Turkey's potential in ERC Programme



Turkey's potential in ERC Programme





During the proposal preparation stage:

Bridge between you and ERC

Guidance in proposal writing

Information on Host Institutions in Turkey

Pre-evaluation support of your proposal

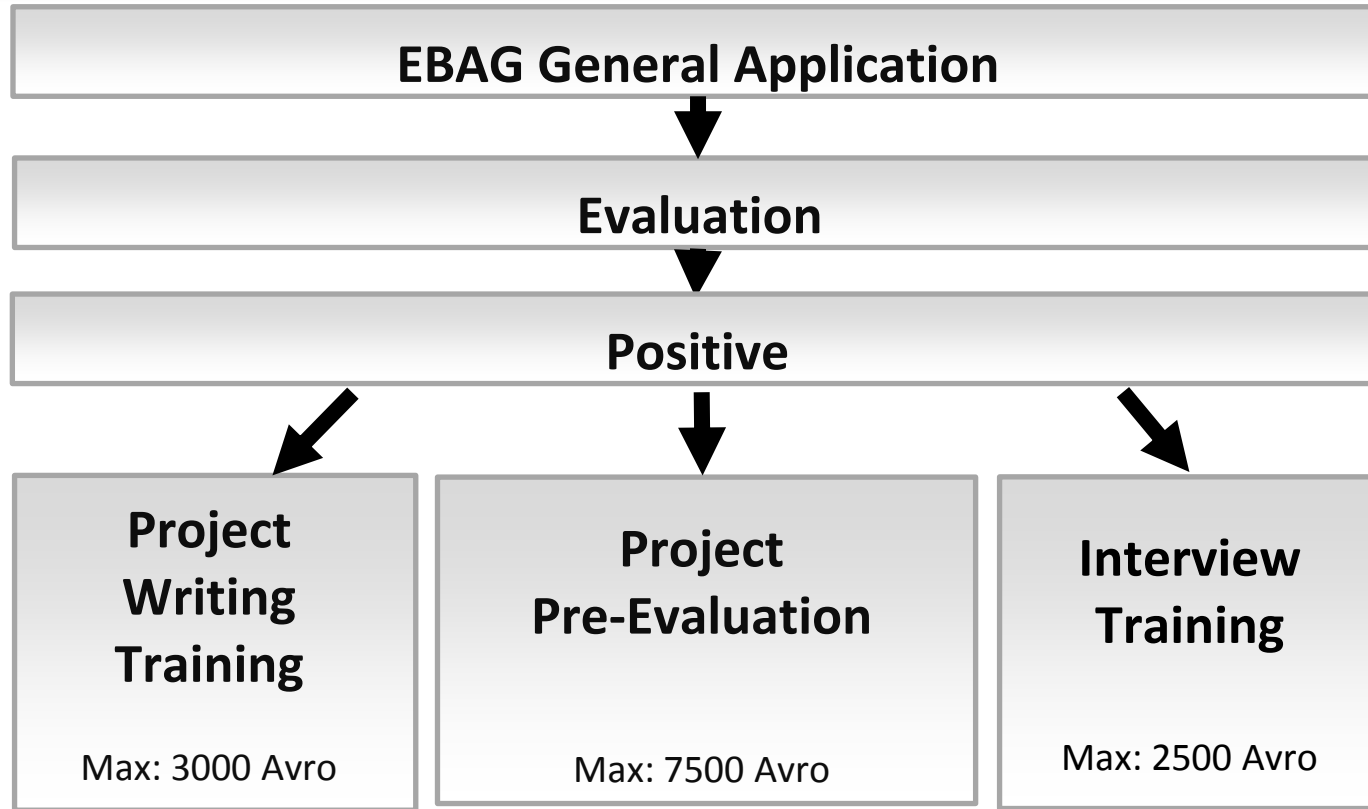


Proposal Preparation

**Unfunded but highly
scored proposals**

Funded ERC projects

3 EBAG Supports



Proposal Preparation

**Unfunded but highly
scored proposals**

Funded ERC projects

ERC Above the threshold award

Score in the second evaluation step	Award
B	40,000 TL
A	50,000 TL
Reserve	60,000 TL

BİDEB 2247 – B Programme

- To improve your ERC application
- You need to re-submit your proposal to ERC in 2 years

Score in the second evaluation step	Maximum Budget
B	500,000 TL
A	1,000,000 TL

Proposal Preparation

Unfunded but highly
scored proposals

Funded ERC projects

Grant Type	Success Award
StG	90.000 TL + (Project Budget (TL) x % 60)
CoG	120.000 TL + (Project Budget (TL) x % 60)
AdG	150.000 TL + (Project Budget (TL) x % 60)
SyG	150.000 TL + (Project Budget (TL) x % 60)
PoC	30.000 TL + (Project Budget (TL) x % 60)

In addition:

Transfer Award: max 500.000 TL

Proposal Preparation

Unfunded but highly
scored proposals

Funded ERC projects

Team



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For Applications: <http://destekler.h2020.org.tr/>

For Information: <https://ufuk2020.org.tr/en/supports-and-awards>

HORIZON 2020

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Horizon 2020 Grants



European Technology Platforms




Horizon 2020 Calls




TÜBİTAK Horizon 2020 Supports and Awards


Supports




ERC PRINCIPLE INVESTIGATOR
ADVANCEMENT PROGRAM



H2020 COORDINATORS
SUPPORT




H2020 TRAVEL SUPPORT




MARIE CURIE PRE-
EVALUATION SUPPORT


Awards



ABOVE-THRESHOLD-AWARDS



COST ACTION AWARD



SUCCESS AWARDS

E-Posta Adresiniz

Şifreniz

Üye ol
Şifremi Unuttum



kİM kİMDİR? 

EN



Ufuk2020 Destekleri

Çok Uluslu Araştırma ve İnovasyon
İşbirliği Destekleri



Avrupa Teknoloji
Platform ve Ağları

Öncül Araştırma Bireysel Destekleri
(European Research Council)



Ufuk2020 Tüm Çağrıları

Burs ve Dolaşım Destekleri
(Marie Skłodowska Curie)



TÜBİTAK Ufuk2020
Destek ve Ödülleri

KOBİ İnovasyon Destekleri
(SME Instrument)

Haberler/Duyurular Tümü

Calls for Proposals



Clean Sky 8. Proje Çağrısı Taslak Konuları Belli Oldu!
Ufuk2020 Ar-Ge ve İnovasyon Programı, Ulaşım alanı altında...

Uluslararası İkili İşbirlikleri



TURKEY in H2020



Hedef Türkiye



İş/Burs İlanları



ARBIS-Y

ARBIS-Y

Yurt dışı
İnovasyon
Bilgi Sistemi

TuRBo Brüksel Ofisi





Ufuk2020 Destekleri

Çok Uluslu Araştırma ve İnovasyon
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İş/Burs İlanları



ARBIS-Y

ARBIS-Y

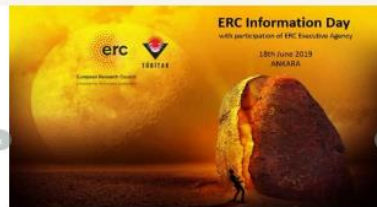
Yurt dışı
İnovasyon
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[Horizon 2020 Grants](#)[European Technology
Platforms](#)[Horizon 2020 Calls](#)[TÜBİTAK Horizon 2020
Supports and Awards](#)

European Research Council Funds

[News](#) [All](#)

You are invited to the ERC Information Day in Ankara on 18 June 2019

[Success Stories](#) [All](#)

E.Nur Firat KARALAR
Koc University

Starting Grant 2015
Project : CentSatRegFunc
Budget : 1.5 Million Euro
Duration : 2016-2021

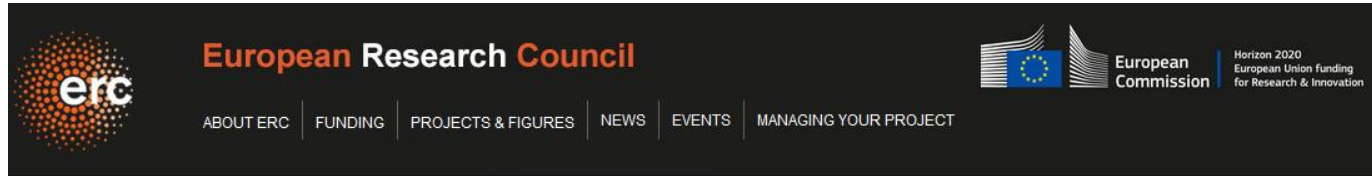
Dissecting the structure and function of centriolar satellites: Key regulators of the centrosome/cilium

[National Contact Points](#)[Calls](#)[ERC Starting Grant](#)
[ERC Consolidator Grant](#)
[ERC Advanced Grant](#)
[ERC Synergy Grant](#)
[ERC Proof of Concept](#)
[ERC and You](#)
[ERC and Turkey](#)[Home](#)

European Research Council (ERC) was established at 2007 during FP7 to fund European frontier research. The only criteria for ERC funding is scientific excellence and all decisions are made by scientists for scientists.

- ERC funds one Principal Investigator leading a team of researchers (no need for partners)
- ERC funds any field of research (Life Sciences, Physical Sciences and Engineering, Social Sciences and Humanities)
- ERC funds ground breaking, high risk-high gain projects that normally cannot be funded by national funding agencies
- The host institution, where the principal investigator will do his/her research, must be established in an EU Member State or Associated Country like Turkey
- The principal Investigator should spend a minimum of 50% of their total working time in an EU Member State or

<https://erc.europa.eu/>



SUPPORTING TOP RESEARCHERS FROM ANYWHERE IN THE WORLD



NEWS

> MORE

26-03-2018

ERC achievements in 2017: Annual Report

06-03-2018

Two ERC grantees win the prestigious Brain Prize

OPEN CALLS

Proof of Concept | **ERC-2018-PoC**

[Information for applicants](#)

[Instruction guide for using html5](#)

[Timeframe ongoing evaluations](#)

[FAQs](#)

Deadline: 18 Apr 2018 | 11 Sept 2018

The official deadlines are only those indicated on the [Participant Portal](#)

EVENTS

16-04-2018 to 19-04-2018

[Transport Research Arena 2018](#)

Funded projects in your research area

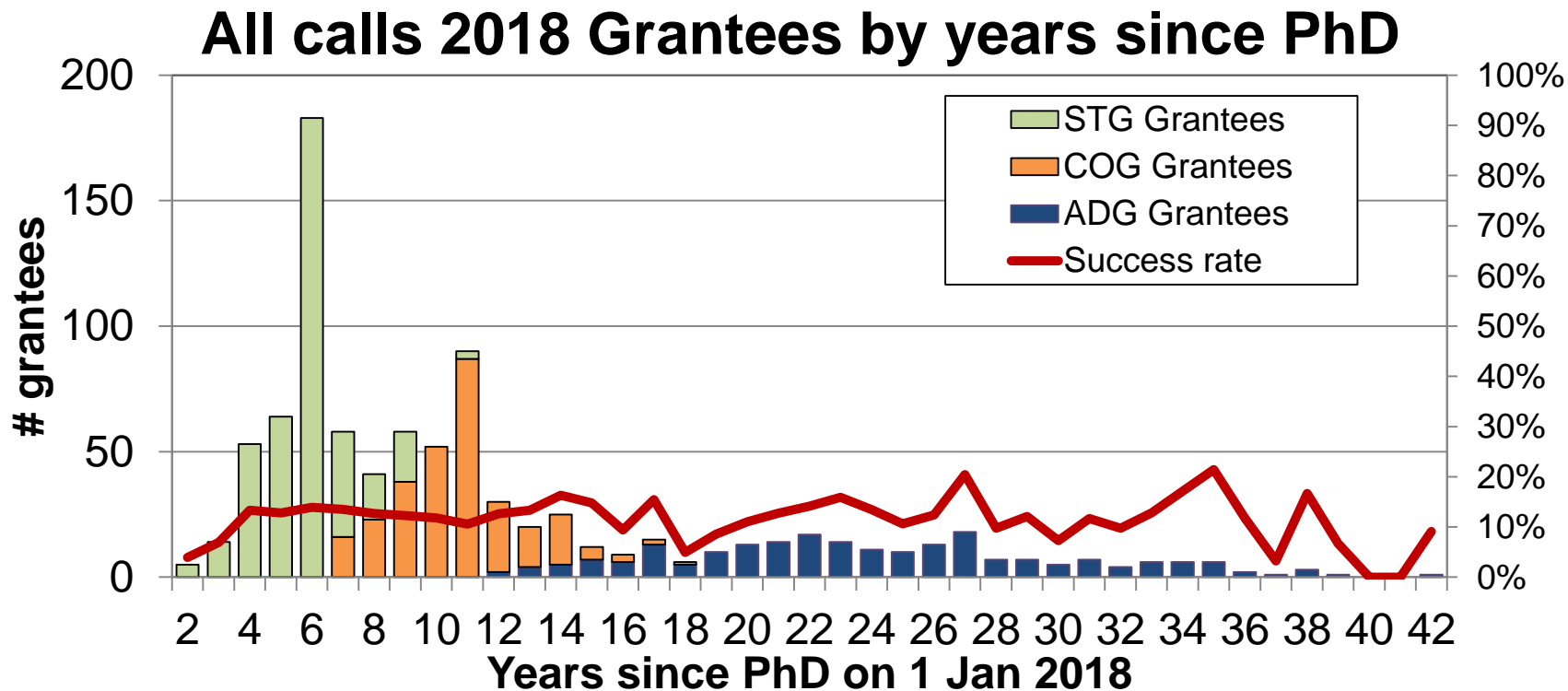


**Compare your idea with the
funded projects**

**Compare yourself with the PIs
who are funded by ERC**

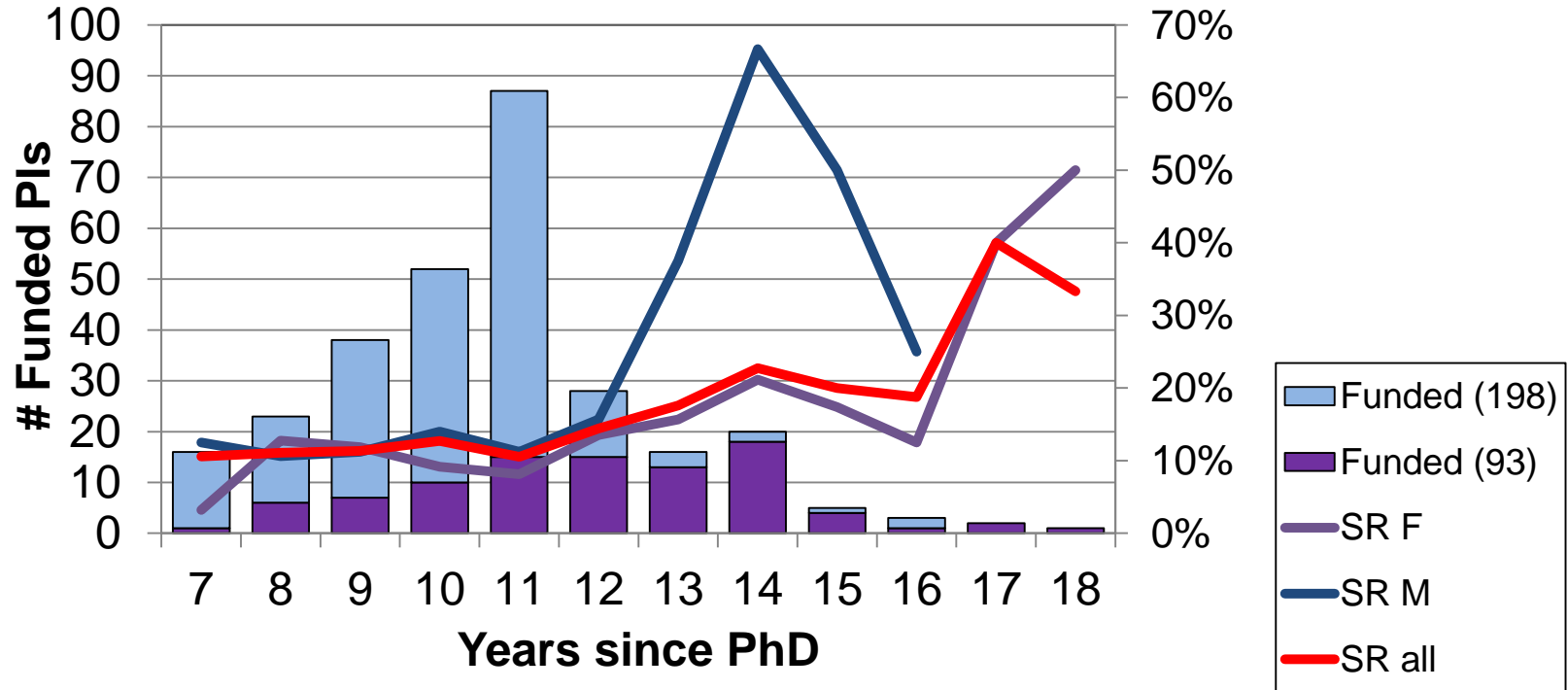
Apply and re-apply to ERC

2018 Calls "Academic age" of grantees



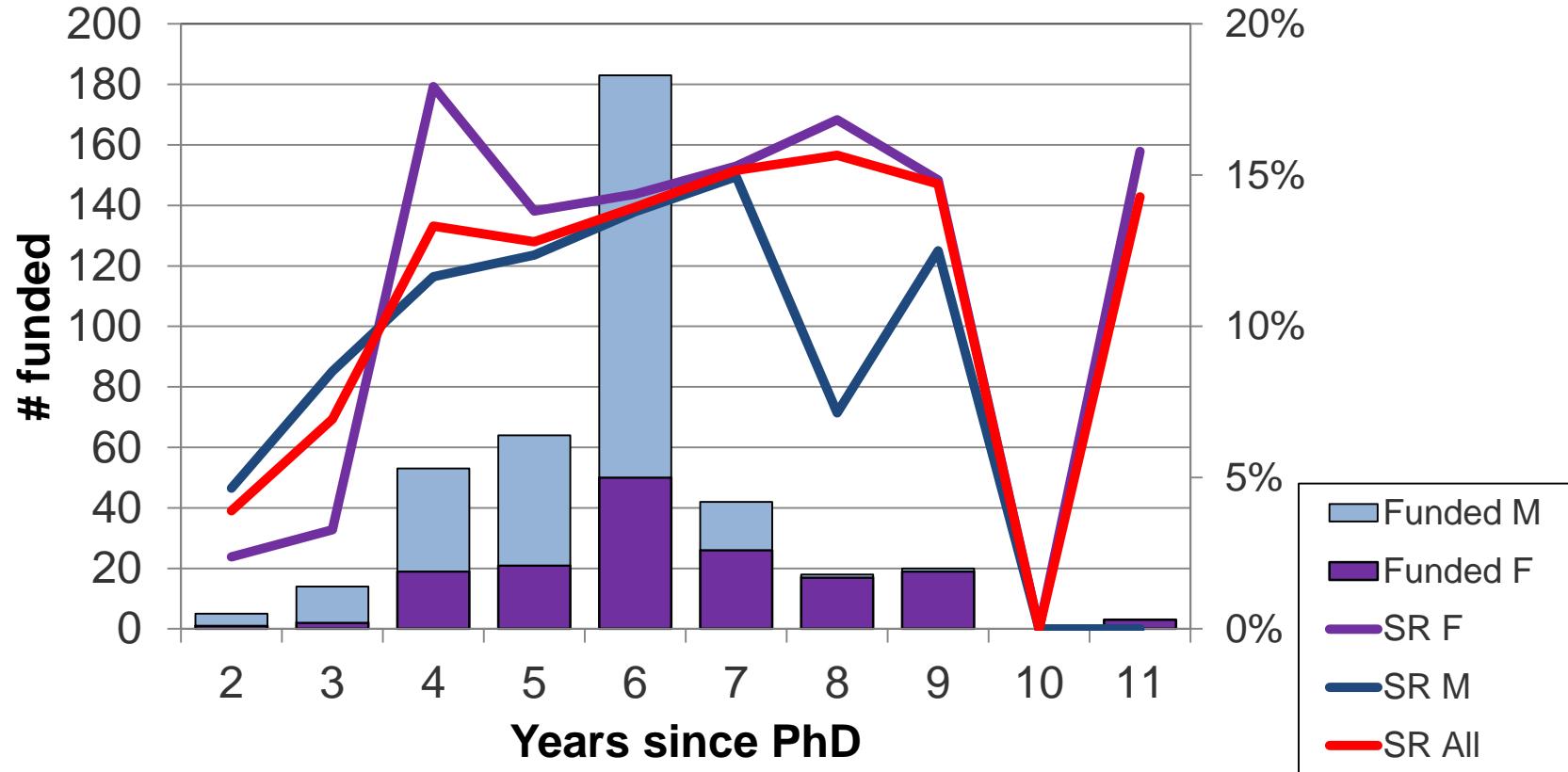
Source: ERCEA

CoG 2018 Funded proposals by gender and years since PhD



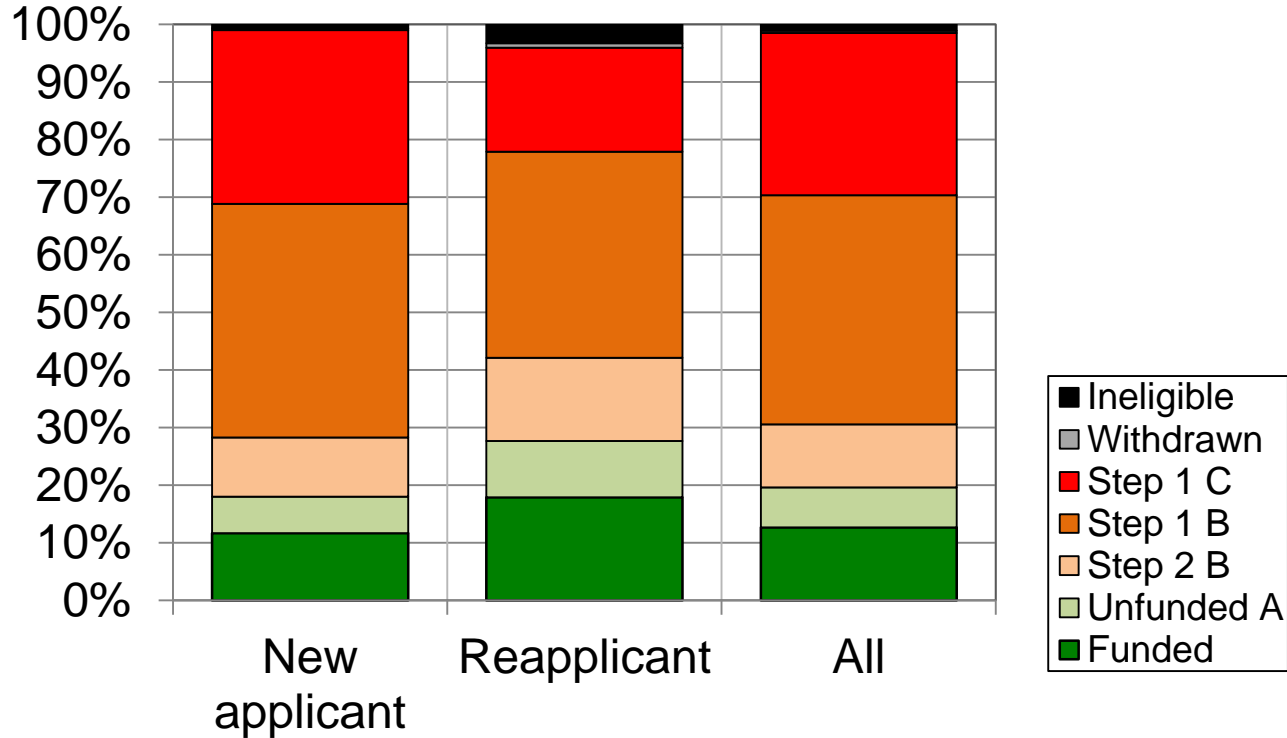
Source: ERCEA

StG 2018 Funded proposals by gender and years since PhD

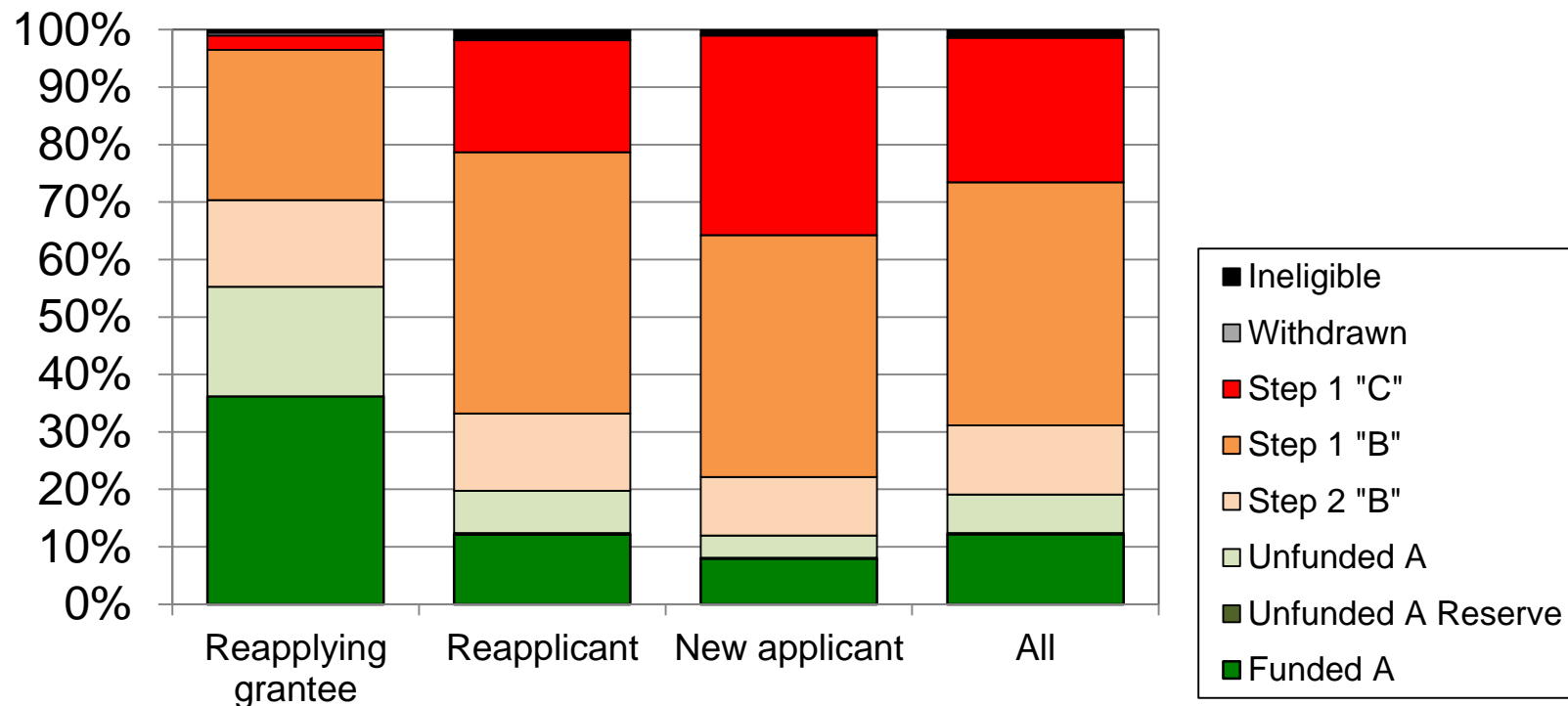


Source: ERCEA

StG 2018 New and re-applicants results



CoG 2018 New and re-applicants results

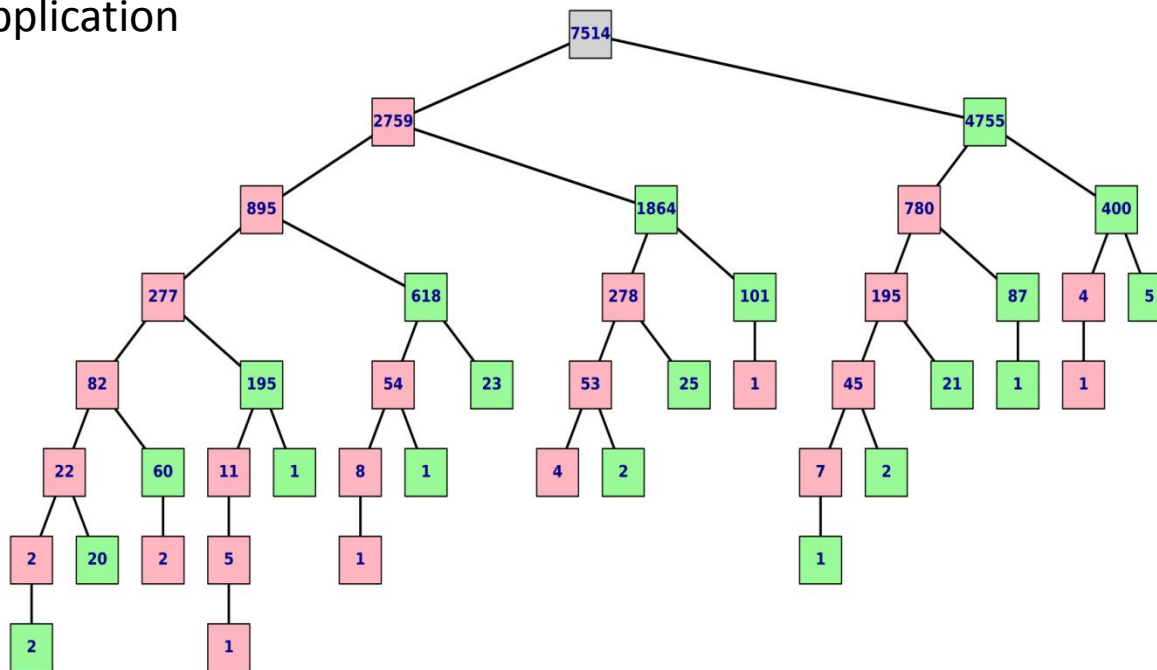


Source: ERCEA

ERC grantees 2007-2017 Applications before and after funding



- Unsuccessful application
- Successful application



Source: ERCEA

- **Support from your NCPs**
- **Support from TÜBİTAK EBAG**
- **Support from your colleagues**
 - ❖ Turkish ERC Grant Holders
 - ❖ Trusted colleagues
 - ❖ Non-active panel members



Thank You

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